

For Research Use Only

CoraLite®594 Anti-Mouse CD25/IL-2RA (PC61.5)

Catalog Number:CL594-65137



Basic Information

Catalog Number:

CL594-65137

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG1, lambda

GenBank Accession Number:

BC114437

GeneID (NCBI):

16184

UNIPROT ID:

P01590

Full Name:

interleukin 2 receptor, alpha chain

Purification Method:

Affinity purification

CloneNo.:

PC61.5

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Background Information

Proliferation of T lymphocytes is triggered by the interaction of IL-2 with its specific receptor following T lymphocyte activation. The receptor for IL-2 has three forms, generated by different combinations of three different proteins, the alpha chain (IL-2R alpha), the beta chain (IL-2R beta), and the gamma chain (IL-2R gamma) (PMID: 8476561). IL-2R alpha (also known as CD25) is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. CD25 is also found on natural CD4⁺Foxp3⁺ Treg cells (PMID: 22585674).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:

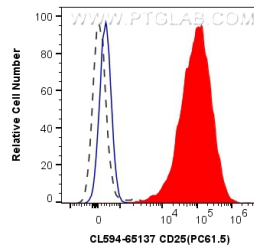
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ plate-bound Anti-CD3 and Anti-CD28 stimulated (red) or unstimulated (black dashed) mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD25 (CL594-65137, Clone: PC61.5), or 0.5 ug Isotype Control (blue). Cells were not fixed.